

INVESTIGATOR'S ANNUAL REPORT

National Park Service

All or some of the information provided may be available to the public

Reporting Year: 2004	Park: Shenandoah NP																		
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Permit#: SHEN-2004-SCI-0002																			
Park-assigned Study Id. #: SHEN-00127																			
Project Title: Impact of white-tailed deer on select forest vertebrates																			
Permit Start Date: Jan 12, 2004	Permit Expiration Date Jan 12, 2010																		
Study Start Date: Jan 01, 1990	Study End Date Dec 31, 2010																		
Study Status: Continuing																			
Activity Type: Research																			
Subject/Discipline: Animal Communities / Wildlife																			
Objectives: Our objective is to quantify the impact of white-tailed deer on select forest vertebrates through the exclusion of deer from multiple 10-acre areas. Three exclosures are located in the SNP, with 3 additional exclosures on nearby public lands. Deer were excluded in 1990 and surveys have been conducted since that time. In 2002 only bird populations and acorn production were measured, but previous years, included herbaceous and woody vegetation, and small mammals.																			
Findings and Status: We are continuing the annual monitoring of birds and acorns within the sites. Of the sites listed below, Keyser, Dump, and Hilltop were fenced to exclude deer in 1990. Elk is a control site. Bird species and numbers mist-netted and banded in 1000 net hours at 4 locations within the north district of SNP from May 27 to June 30 2004. <table border="0"> <thead> <tr> <th></th> <th>Keyser</th> <th>Dump</th> <th>Hilltop</th> <th>Elk</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Acadian Flycatcher</td> <td>5</td> <td>1</td> <td>0</td> <td>0</td> <td>6</td> </tr> <tr> <td>American Redstart</td> <td>3</td> <td>7</td> <td>6</td> <td>2</td> <td>18</td> </tr> </tbody> </table>			Keyser	Dump	Hilltop	Elk	Total	Acadian Flycatcher	5	1	0	0	6	American Redstart	3	7	6	2	18
	Keyser	Dump	Hilltop	Elk	Total														
Acadian Flycatcher	5	1	0	0	6														
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Bachman's Warbler 1 1 0 0 2	
Brown-headed Cowbird 0 1 0 0 1	
Carolina Wren 0 0 1 1 2	
Chipping Sparrow 0 0 5 5	
Common Grackle 0 1 0 0 1	
Downy Woodpecker 1 1 2 0 4	
Eastern Phoebe 0 0 0 1 1	
Eastern Titmouse 0 2 0 0 2	
Eastern Towhee 1 12 4 0 17	
Eastern Wood-pewee 1 1 0 1 3	
Gray Catbird 0 14 0 0 14	
Hairy Woodpecker 1 1 0 0 2	
Hooded Warbler 4 4 2 1 11	
Indigo Bunting 0 2 2 3 7	
Kentucky Warbler 1 0 0 0 1	
Northern Cardinal 0 0 0 2 2	
Ovenbird 16 11 22 6 55	
Rose-breasted Grosbeak 0 4 0 0 4	
Red-eyed Vireo 8 5 1 6 20	
Ruby-thr Hummingbird 0 4 0 1 5	
Scarlet Tanager 0 1 3 2 6	
Veery 1 9 1 1 12	
Worm-eating Warbler 1 2 5 13 21	
White-breasted Nuthatch 0 0 1 1 2	
Wood Thrush 13 13 18 0 44	
Yellow-shafted Flicker 0 1 0 0 1	
Totals 57 98 68 46 269	
For this study, were one or more specimens collected and removed from the park but not destroyed during analyses? No	
Funding provided this reporting year by NPS: 0	Funding provided this reporting year by other sources: 3000
Fill out the following ONLY IF the National Park Service supported this project in this reporting year by providing money to a university or college	
Full name of college or university: n/a	Annual funding provided by NPS to university or college this reporting year: 0